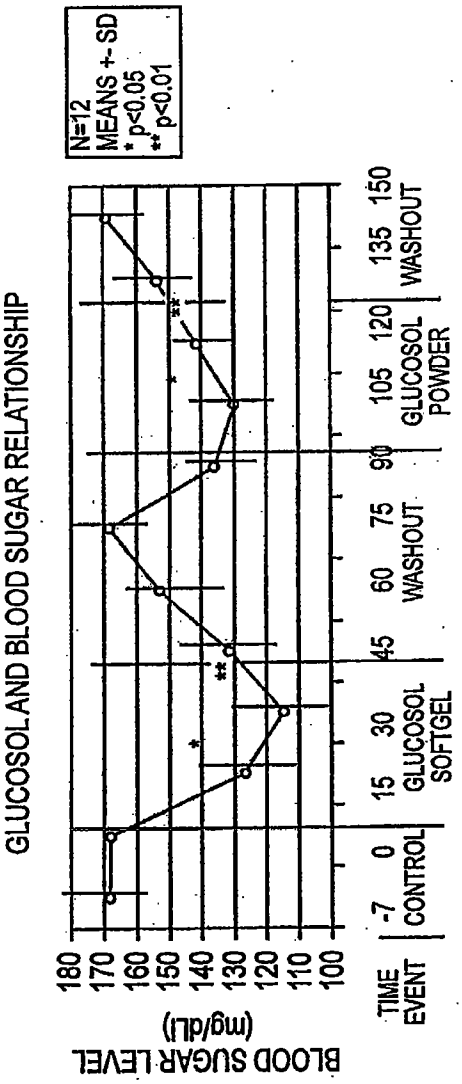
SIBR INC - SOFT GEL TECHNOLOGIES GLUCOSOL STUDY

GLUCOSOL - BLOOD GLUCOSE STUDY SIBR 08-99

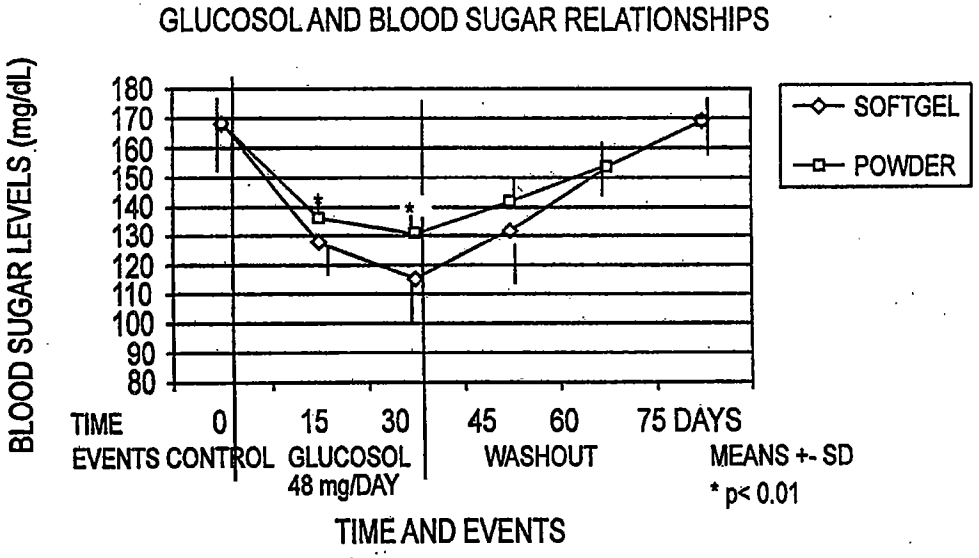
	CONTROL		48 mg/DAY SOFTGEL		GLUCOSOL WASHOUT			48 mg/DAY POWDER		GLUCOSOL WASHOUT		
DAYS	-7	0	15	30	45	60	75	90	105	120	135	150
VOLUNTEERS												
1	174	168	115	106	120	146	176	124	123	139	148	162
2	190	182	140	136	138	160	184	136	134	130	155	185
3	173	163	118	92	118	141	160	136	130	144	154	167
4	149	150	117	110	122	155	166	135	129	139	147	152
5	164	163	125	116	115	136	155	114	110	114	133	160
6	178	183	127	115	138	158	180	146	140	158	166	178
7	170	175	129	119	148	168	180	148	133	149	156	177
8	154	161	117	96	110	160	160	136	128	140	158	170
9	186	179	155	144	142	156	168	144	138	145	150	172
10	160	157	121	111	135	146	155	135	128	148	163	170
11	159	166	133	116	138	152	166	143	137	145	158	166
12	168	172	129	120	148	160	168	136	132	146	156	168
MEAN	168.8	168.3	127.2	115.1	131.7	153.2	168.2	136	130.2	141.4	153.7	168.9
SD	12.4	10.3	11.56	14.6	13.2	9.3	9.9	9.4	7.9	10.9	8.6	8.8
SE	3.6	3	3.3	4.2	3.8	2.7	2.9	2.7	2.3	3.2	2.5	2.5
VAR	153	104.9	132.4	212.4	175.5	85.6	98.3	89.6	63.6	120.5	73.3	76.8

Fig. 1



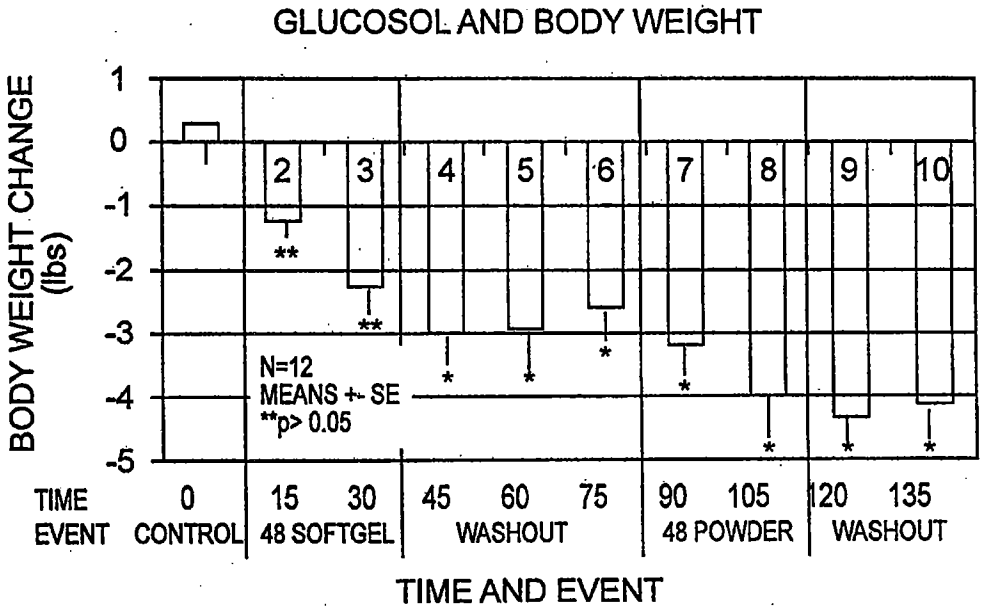
INFLUENCE OF SOFTGELAND POWDER GLUCOSOL (48mg/DAY) ON BLOOD SUGAR LEVELS IN TYPE II DIABETICS. NOTE THE RAPID BLOOD SUGAR REDUCTION DURING SUPPLEMENTATION AND THE SLOW RECOVERY DURING GLUCOSOL WASHOUT

Fig. 2



BLOOD SUGAR LOWERING EFFECTS OF SOFTGEL AND POWDER GLUCOSOL. BOTH GLUCOSOL FORMS SIGNIFICANTLY ($p < 0.01$) LOWERED BLOOD SUGARS IN 15 AND 30 DAYS. THE RECOVERY TIME WAS DELAYED WITH BOTH GLUCOSOL FORMS.

Fig. 3



BODY WEIGHT CHANGES BEFORE AND AFTER 48 mg/DAY OF SOFTGEL OR POWDER GLUCOSOL. NOTE THE ACUTE DROP IN WEIGHT DURING GLUCOSOL SUPPLEMENTATION AND THE SLOW WEIGHT GAIN DURING THE WASHOUT INTERVALS. THE WEIGHT LOSS WITH 48 mg/DAY SOFTGEL OR POWDER GLUCOSOL WAS NOT REGAINED IN SIX WEEKS. THUS, THE BASELINE WEIGHT FOR THE POWDER GLUCOSOL (DAY 75) WAS LOWER THAN THAT FOR THE SOFTGEL FORMULATION (DAY 0).

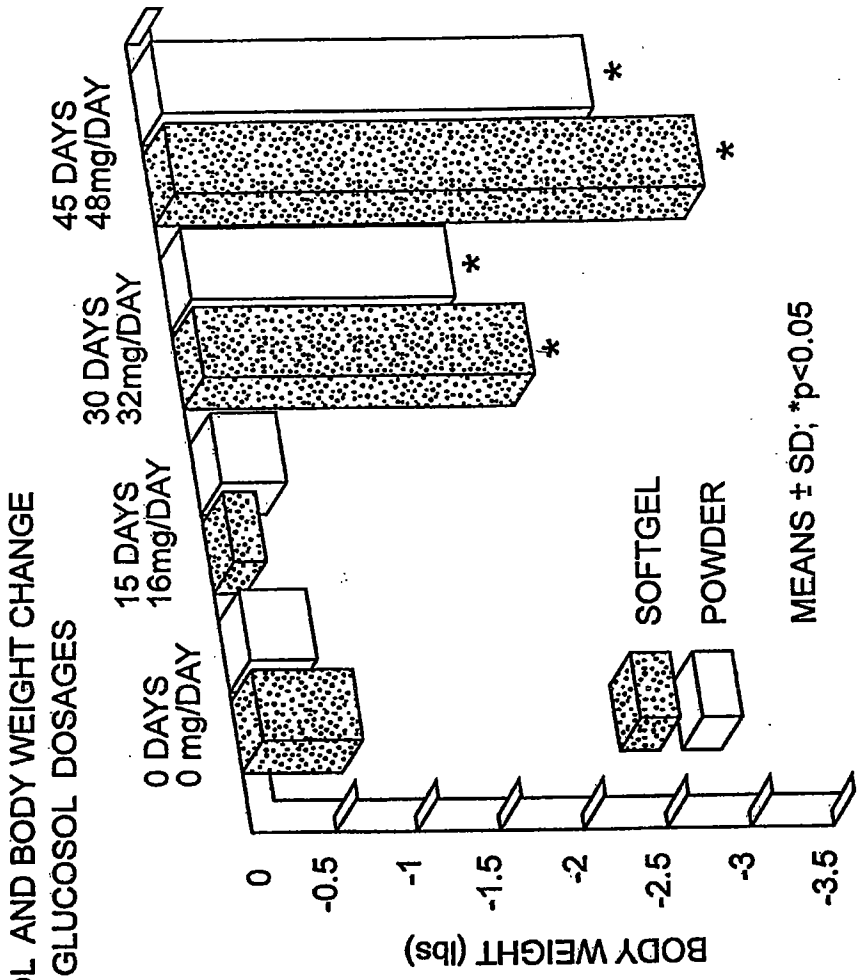
Fig. 4

SIBR INC - SOFT GEL TECHNOLOGIES GLUCOSOL STUDY

GLUCOSOL - BODY WEIGHT STUDY: SIBR 05-99

EVENT	CONTROLS	48 mg/DAY SOFTGEL			WASHOUT		48 mg/DAY POWDER			WASHOUT	
DAYS	-7	0	15	30	45	60	75	90	105	120	135
VOLUNTEER											
1		2	0	-2	-1	-1	-2	-1	-2	-3	-2
2		0	-2	-4	-5	-4	-4	-5	-6	-5	-5
3		-1	-1	-2	-3	-2	-2	-2	-3	-3	-4
4		1	0	-1	-2	-2	-3	-3	-5	-4	-5
5		1	-1	-2	-3	-4	-1	1	-1	-2	-1
6		-1	-2	-4	-5	-5	-5	-5	-4	-4	-3
7		1	0	-3	-4	-5	-5	-3	-3	-4	-3
8		1	-1	-1	-1	0	0	-2	-3	-2	-1
9		-1	-2	-1	-2	-3	-2	-4	-5	-7	-8
10		-1	-2	-1	-2	-3	-2	-4	-5	-6	-5
11		1	-1	-2	-3	-2	-2	-4	-5	-5	-5
12		0	-3	-4	-5	-4	-5	-6	-8	-7	-7
MEANS		0.25	-1.25	-2.25	-3	-2.91	-2.58	-3.17	-4	-4.33	-4.1
SD		1.06	0.96	0.96	1.48	1.56	1.92	1.94	2.24	1.72	2.2
SE		0.3	0.28	0.27	0.42	0.45	0.55	0.56	0.65	0.5	0.63
0 DAY COMPARISON		p< 0.05	p< 0.05	p< 0.001	p< 0.001	p< 0.001	p< 0.001	p< 0.001	p< 0.001	p< 0.001	p< 0.001
75 DAY COMPARISON							p< 0.24	p< 0.07	p< 0.003	p< 0.02	

Fig. 5



BODY WEIGHT CHANGE IN TYPE II DIABETICS DURING SUPPLEMENTATION WITH 16, 32, AND 48 mg/DAY GLUCOSOL™ ONLY (NO EXERCISE OR DIET CHANGES). SUPPLEMENTATION TIME FOR EACH DOSE WAS 15 DAYS. BOTH THE SOFTGEL AND POWDER FORMS OF GLUCOSOL™ DECREASED BODY WEIGHT SIGNIFICANTLY AT THE 32 AND 48 mg/DAY DOSAGES. THE DIFFERENCE BETWEEN GLUCOSOL™ FORMS WAS NOT STATISTICALLY DIFFERENT.

Fig. 6